# **NOTICE**

All drawings located at the end of the document.

## INDUSTRIAL AREA SAMPLING AND ANALYSIS PLAN FY02 ADDENDUM #IA-02-07 SOLAR EVAPORATION PONDS AREA OF CONCERN



August 2002

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

IA-A-001065

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## INDUSTRIAL AREA SAMPLING AND ANALYSIS PLAN FY02 ADDENDUM #IA-02-07 SOLAR EVAPORATION PONDS AREA OF CONCERN

Approval received from the Colorado Department of Public Health and Environment August 1, 2002

Approval letter is contained in the Administrative Record.



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#### **ACRONYMS**

AOC Area of Concern

FY Fiscal Year

HPGe high-purity germanium HRR Historical Release Report

IA Industrial Area

IASAP Industrial Area Sampling and Analysis Plan

IHSS Individual Hazardous Substance Site

MDL method detection limit

N/A not applicable

OPWL Original Process Waste Lines

OU Operable Unit

PAC Potential Area of Concern

PCOC potential contaminant of concern

RCRA Resource Conservation and Recovery Act

SAP Sampling and Analysis Plan SEP Solar Evaporation Ponds

SVOC semivolatile organic compound VOC volatile organic compound

#### 1.0 INTRODUCTION

This Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001) Addendum #IA-02-07 includes specific information, sampling locations, and potential contaminants of concern (PCOCs) for the Solar Evaporation Ponds (SEP) Area of Concern (AOC) and Potential Areas of Concern (PACs) sites proposed for characterization during Fiscal Year (FY) 02. This IASAP Addendum is a supplement to the IASAP (DOE 2001). The location of the SEP AOC is shown on Figure 1.

This IASAP Addendum includes data and proposed sampling locations for PAC-1310, Original Process Waste Lines (OPWL), Resource Conservation and Recovery Act (RCRA) units, and other miscellaneous areas listed in Table 1. Data in areas not proposed for sampling are of sufficient quantity and quality so that additional sampling is not required.

Table 1
IASAP Addendum #IA-02-07 SEP AOC Areas

IHSS Group	SEP AOC Area
000-1	Solar Evaporation Pond – Area of Concern – Original Process Waste Line Valve Vaults
	PAC 900-1310 – Interceptor Trench System Water Spill
	Potential Leaking OPWL
	RCRA Unit 21
	RCRA Unit 48
	Miscellaneous Sumps
	Area Potentially Impacted by Regrading

The purpose of sampling in the SEP AOC is to determine if contamination is present at specific locations where soil or component removal is anticipated and in areas that may be affected by regrading.

#### 2.0 EXISTING CHARACTERIZATION INFORMATION

Existing concentrations and activities above the background mean plus two standard deviations, or method detection limit for areas around OPWL, valve vaults, and PAC 900-1310, are presented on maps in Section 4.0. Table 2 presents the PCOCs. Existing information and data for the SEP AOC are available in Appendix C to the IASAP (DOE 2001), the Industrial Area Data Summary Report (DOE 2000), the Operable Unit (OU) 4 Solar Evaporation Ponds Interim Measure/Interim Remedial Action Environmental Assessment Decision Document, Parts I through V (DOE 1995a), Solar Evaporation Pond 207 C Characterization Report for the Rocky Flats Environmental Technology Site (DOE 1995b), Final Solar Ponds Plume Decision Document (DOE 1999a), Draft Solar Ponds Plume Decision Document Modification (DOE 2002), and Final Closeout Report Building 788 & Clarifier Tank RCRA Closure Decommissioning Project (DOE 1999b).



#### 3.0 SAMPLING

The proposed sampling specifications (number and types of samples) for each AOC area and for the areas potentially impacted by regrading are listed in Table 3. Proposed new sampling locations are the starting point for characterization. After characterization starts, the number and type of samples may change based on sampling results. Changes to sampling specifications will be considered in consultation with the regulatory agencies. A biased sampling methodology was used to determine the new sampling locations.

#### 4.0 MAPS

Maps in this section are organized to present existing sampling results at specific areas of interest. All existing sampling locations and existing data, where available, are presented followed by the proposed new sampling locations.

#### 5.0 REFERENCES

DOE, 1992 – 2001, Historical Release Report for the Rocky Flats Plant, Golden, Colorado.

DOE, 1995a, OU 4 Solar Evaporation Ponds Interim Measure/Interim Remedial Action Environmental Assessment Decision Document, Parts I through V, Rocky Flats Environmental Technology Site, Golden, Colorado, February

DOE, 1995b, Solar Evaporation Pond 207 C Characterization Report for the Rocky Flats Environmental Technology Site, Golden, Colorado, December

DOE, 1999a, Final Solar Ponds Plume Decision Document, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, 1999b, Final Closeout Report Building 788 & Clarifier Tank RCRA Closure Decommissioning Project, Rocky Flats Environmental Technology Site, Golden, Colorado, October.

DOE, 2000, Rocky Flats Environmental Technology Site Industrial Area Data Summary Report, Golden, Colorado, September.

DOE, 2001, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, 2002, Draft Solar Ponds Plume Decision Document Modification, Rocky Flats Environmental Technology Site, Golden, Colorado, April.

Potential Contaminants of Concern Table 2

HSS Group	THSS/PAC/UBC Site	PCOCk	Media	Data Source	Sampling Location Method
000-1	Solar Evaporation Pond – Area of Concern – OPWL Valve Vaults	Radionuclides Metals Nitrates	Subsurface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	PAC 900-1310 – Interceptor Trench System Water Spill	Radionuclides Metals Nitrates	Surface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
-	Potential Leaking OPWL	Radionuclides Metals Nitrates	Subsurface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
•	RCRA Unit 21	Radionuclides Metals	Surface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	RCRA Unit 48	Radionuclides Metals	Surface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	Miscellaneous Sumps	Radionuclides Metals Nitrates	Subsurface Soil	HRR (DOE 1992-2001) Process knowledge (IASAP [DOE 2001]) IA Data Summary Report (DOE 2000)	Biased
	Area Potentially Affected by Regrading	N/A	Surface and Subsurface Soil	N/A	Biased

Historical Release Report HRR N/A SVOC VOC

not applicable semi-volatile organic compound volatile organic compound

Table 3
Sampling Specifications

:		TYPEC	CIT CIT OF THE CONTRACT OF THE CIT OF THE CI					
IHSS   IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth	Analyte	Onsite	Offsite
Group					Interval		Method	Laboratory Method
Solar Evaporation Pond – Area of Concern – PAC 900- 1310 – Interceptor Trench System Water Spill	CM47-000A	2085231.276	750926.308	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
	CM47-000A	2085231.276	750926.308	Surface Soil	0-0.5	Metals	6200	6010
	CM47-000A	2085231.276	750926.308	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM47-001A	2085220.549	750880.337	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM47-001A	2085220.549	750880.337	Surface Soil	0-0.5	Metals	6200	6010
	CM47-001A	2085220.549	750880.337	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM47-002A	2085245.067	750878.805	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM47-002A	2085245.067	750878.805	Surface Soil	0-0.5	Metals	6200	6010
	CM47-002A	2085245.067	750878.805	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM48-000A	2085219.017	750972.278	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM48-000A	2085219.017	750972.278	Surface Soil	0-0.5	Metals	6200	0109
	CM48-000A	2085219.017	750972.278	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM48-001A	2085243.534	750975.342	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM48-001A	2085243.534	750975.342	Surface Soil	0-0.5	Metals	6200	6010
	CM48-001A	2085243.534	750975.342	Surface Soil	0-0.5	Nitrate	N/A	9026
RCRA Unit 21	CJ47-000A	2084599.952	750938.566	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-000A	2084599.952	750938.566	Surface Soil	0-0.5	Metals	6200	6010
	CJ47-001A	2084590.758	750887.999	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-001A	2084590.758	750887.999	Surface Soil	0-0.5	Metals	6200	6010
	CJ47-002A	2084612.211	750887.999	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-002A	2084612.211	750887.999	Surface Soil	0-0.5	Metals	6200	6010
	CJ48-000A	2084587.694	750990.666	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ48-000A	2084587.694	750990.666	Surface Soil	0-0.5	Metals	6200	0109
	CJ48-001A	2084613.743	750989.133	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ48-001A	2084613.743	750989.133	Surface Soil	0-0.5	Metals	6200	6010
RCRA Unit 48	CJ47-003A	2084612.211	750858.885	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec

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		0	9	Media	Depth Interval	Analyte	Onsite	Offsite Laboratory
								Method
	CJ47-003A	2084612.211	750858.885	Surface Soil	.5:0-0	Metals	6200	6010
	CJ47-004A	2084621.405	750845.094	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-004A	2084621.405	750845.094	Surface Soil	0-0.5	Metals	6200	6010
	CJ47-004A	2084621.405	750845.094	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-004A	2084621.405	750845.094	Surface Soil	0-0.5	Metals	6200	6010
	CJ47-005A	2084606.082	750831.303	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-005A	2084606.082	750831.303	Surface Soil	0-0.5	Metals	6200	6010
	CJ47-006A	2084632.131	750861.949	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-006A	2084632.131	750861.949	Surface Soil	0-0.5	Metals	6200	0109
	CJ47-007A	2084633.664	750831.303	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CJ47-007A	2084633.664	750831.303	Surface Soil	0-0.5	Metals	6200	6010
	CK47-000A	2084911.017	750955.422	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK47-000A	2084911.017	750955.422	Surface Soil	0-0.5	Metals	6200	0109
	CK47-001A	2084907.952	750946.228	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK47-001A	2084907.952	750946.228	Surface Soil	0-0.5	Metals	6200	6010
	CK47-002A	2084918.679	750946.228	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK47-002A	2084918.679	750946.228	Surface Soil	0-0.5	Metals	6200	6010
	CK48-000A	2084903.355	750964.616	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK48-000A	2084903.355	750964.616	Surface Soil	0-0.5	Metals	6200	6010
	CK48-001A	2084921.743	750963.084	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK48-001A	2084921.743	750963.084	Surface Soil	0-0.5	Metals	6200	6010
OPWL Valve Vault Southeastern Side of AOC	CK45-000D	2084921.401	750425.699	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CK45-000D	2084921.401	750425.699	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
	CK45-000D	2084921.401	750425.699	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
	CK45-001D	2084913.061	750430.703	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CK45-001D	2084913.061	750430.703	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
	CK45-001D	2084913.061	750430.703	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
	CK45-002D	2084909.725	750417.358	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CK45-002D	2084909.725	750417.358	Subsurface Soil	4.5'-6.5'	Metals	6200	6010

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SHI	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory
									Method
		CK45-002D	2084909.725	750417.358	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9026
		CK45-003D	2084931.409	750419.027	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CK45-003D	2084931.409	750419.027	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CK45-003D	2084931.409	750419.027	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9026
		CL45-012D	2084938.081	750432.371	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CL45-012D	2084938.081	750432.371	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CL45-012D	2084938.081	750432.371	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9026
		CJ46-000D	2084589.465	750725.942	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
<u> </u>	OPWL Valve Vault Southwestern Side of AOC	CJ45-000D	2084601.141	750445.715	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-000D	2084601.141	750445.715	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ45-000D	2084601.141	750445.715	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9026
		CJ45-001D	2084614.485	750432.371	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-001D	2084614.485	750432.371	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ45-001D	2084614.485	750432.371	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
		CJ45-002D	2084631.166	750449.051	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-002D	2084631.166	750449.051	Subsurface Soil	4.5'-6.5'	Metals	6200	0109
		CJ45-002D	2084631.166	750449.051	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
		CJ45-003D	2084624.494	750420.695	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-003D	2084624.494	750420.695	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ45-003D	2084624.494	750420.695	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
		CJ45-004D	2084601.141	750420.695	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ45-004D	2084601.141	750420.695	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ45-004D	2084601.141	750420.695	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9086
	OPWL Valve Vault West of Pond 207A	CJ46-000D	2084589.465	750725.942	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ46-000D	2084589.465	750725.942	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9056
		CJ46-001D	2084609.481	750729.278	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CJ46-001D	2084609.481	750729.278	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CJ46-001D	2084609.481	750729.278	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9056
		CJ46-002D	2084599.473	750722.606	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec

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	CJ46-002D	2084599.473	750722.606	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
	CJ46-002D	2084599.473	750722.606	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
	CJ46-003D	2084609.481	750714.266	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CJ46-003D	2084609.481	750714.266	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
	CJ46-003D	2084609.481	750714.266	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
	CJ46-004D	2084591.133	750714.266	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CJ46-004D	2084591.133	750714.266	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
	CJ46-004D	2084591.133	750714.266	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
Potential Leaking OPWL	CH48-000D	2084272.542	751019.513	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CH48-000D	2084272.542	751019.513	Subsurface Soil	4.5'-6.5'	Metals	6200	0109
	CH48-000D	2084272.542	751019.513	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9506
	CK48-002D	2084836.332	751002.833	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
	CK48-002D	2084836.332	751002.833	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
-	CK48-002D	2084836.332	751002.833	Subsurface Soil	4.5'-6.5'	Nitrate	N/A	9026
Miscellaneous Sumps	CK48-003A	2084895.607	751054.361	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK48-003A	2084895.607	751054.361	Surface Soil	0-0.5'	Metals	6200	6010
-	CK48-003A	2084895.607	751054.361	Surface Soil	.5.0-0	Nitrate	N/A	9056
	CK48-003B	2084895.607	751054.361	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CK48-003B	2084895.607	751054.361	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CK48-003B	2084895.607	751054.361	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9056
	CK48-003C	2084895.607	751054.361	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CK48-003C	2084895.607	751054.361	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CK48-003C	2084895.607	751054.361	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9506
	CK48-004A	2084913.541	751057.777	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK48-004A	2084913.541	751057.777	Surface Soil	0-0.5	Metals	6200	0109
	CK48-004A	2084913.541	751057.777	Surface Soil	0-0.5	Nitrate	N/A	9506
	CK48-004B	2084913.541	751057.777	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CK48-004B	2084913.541	751057.777	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CK48-004B	2084913.541	751057.777	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9056
	CK48-004C	2084913.541	751057.777	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec

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IHSS IHSS/PAC/UBC Site Group	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory
								Method
	CK48-004C	2084913.541	751057.777	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CK48-004C	2084913.541	751057.777	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9026
	CK48-005A	2084905.001	751041.551	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CK48-005A	2084905.001	751041.551	Surface Soil	0-0.5'	Metals	6200	6010
	CK48-005A	2084905.001	751041.551	Surface Soil	0-0.5'	Nitrate	N/A	9026
	CK48-005B	2084905.001	751041.551	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CK48-005B	2084905.001	751041.551	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CK48-005B	2084905.001	751041.551	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9026
	CK48-005C	2084905.001	751041.551	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CK48-005C	2084905.001	751041.551	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CK48-005C	2084905.001	751041.551	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9026
	CM48-002A	2085162.062	751026.179	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
	CM48-002A	2085162.062	751026.179	Surface Soil	0-0.5	Metals	6200	6010
	CM48-002A	2085162.062	751026.179	Surface Soil	0-0.5'	Nitrate	N/A	9026
	CM48-002B	2085162.062	751026.179	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
-	CM48-002B	2085162.062	751026.179	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CM48-002B	2085162.062	751026.179	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9026
_	CM48-002C	2085162.062	751026.179	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CM48-002C	2085162.062	751026.179	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CM48-002C	2085162.062	751026.179	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9026
	CM48-003A	2085153.522	751013.368	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM48-003A	2085153.522	751013.368	Surface Soil	0-0.5	Metals	6200	6010
	CM48-003A	2085153.522	751013.368	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM48-003B	2085153.522	751013.368	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CM48-003B	2085153.522	751013.368	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CM48-003B	2085153.522	751013.368	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9026
	CM48-003C	2085153.522	751013.368	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CM48-003C	2085153.522	751013.368	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CM48-003C	2085153.522	751013.368	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9086
	CM48-004A	2085168.895	751012.514	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec

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Group	Location code	<b>Easuing</b>	Nortaing	Wedia	Depth Interval	Analyte	Onsite Method	Offsite Laboratory
	CM48-004A	2085168 895	751012 514	Surface Soil	) <b>-</b> 0	Metals	0000	Method
	CM48-004A		751012.514	Surface Soil	0-0.5	Nitrate	N/A	9056
	CM48-004B	2085168.895	751012.514	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CM48-004B	2085168.895	751012.514	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CM48-004B	2085168.895	751012.514	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9506
	CM48-004C	2085168.895	751012.514	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CM48-004C	2085168.895	751012.514	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CM48-004C	2085168.895	751012.514	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9026
	CM48-005A	2085191.099	751005.682	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	CM48-005A	2085191.099	751005.682	Surface Soil	0-0.5'	Metals	6200	6010
	CM48-005A	2085191.099	751005.682	Surface Soil	0-0.5	Nitrate	N/A	9026
	CM48-005B	2085191.099	751005.682	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CM48-005B	2085191.099	751005.682	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CM48-005B	2085191.099	751005.682	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9026
	CM48-005C	2085191.099	751005.682	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CM48-005C	2085191.099	751005.682	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
	CM48-005C	2085191.099	751005.682	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9506
	CM48-006A	2085181.705	750992.017	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
	CM48-006A	2085181.705	750992.017	Surface Soil	0-0.5'	Metals	6200	6010
	CM48-006A	2085181.705	750992.017	Surface Soil	0-0.5'	Nitrate	N/A	9026
	CM48-006B	2085181.705	750992.017	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CM48-006B	2085181.705	750992.017	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
	CM48-006B	2085181.705	750992.017	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9806
	CM48-006C	2085181.705	750992.017	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	CM48-006C	2085181.705	750992.017	Subsurface Soil	2.5'-4.5'	Metals	6200	0109
	CM48-006C	2085181.705	750992.017	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9506
	CM48-007A	2085201.348	750992.872	Surface Soil	.5.0-0	Radionuclides	HPGe	Alpha Spec
1	CM48-007A	2085201.348	750992.872	Surface Soil	0-0.5'	Metals	6200	6010
	CM48-007A	2085201.348	750992.872	Surface Soil	0-0.5'	Nitrate	N/A	9506
•	CM48-007B	2085201.348	750992.872	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
	CM48-007B	2085201.348	750992.872	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

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HSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CM48-007B	2085201.348	750992.872	Subsurface Soil	0.5'-2.5'	Nitrate	N/A	9026
		CM48-007C	2085201.348	750992.872	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		CM48-007C	2085201.348	750992.872	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
		CM48-007C	2085201.348	750992.872	Subsurface Soil	2.5'-4.5'	Nitrate	N/A	9026
<u> </u>	Area Potentially Affected by Regrading	CQ47-000A	2085954.486	750871.524	Surface Soil	0-0.5	Radionuclides	HPGe	Alpha Spec
	•	CQ47-000A	2085954.486	750871.524	Surface Soil	0-0.5'	Metals	6200	6010
		CQ47-000B	2085954.486	750871.524	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CQ47-000B	2085954.486	750871.524	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CQ47-000B	2085954.486	750871.524	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CQ47-000C	2085954.486	750871.524	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
	······································	CQ47-000C	2085954.486	750871.524	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
		CQ47-000C	2085954.486	750871.524	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260
		CQ47-000D	2085954.486	750871.524	Subsurface Soil	4.5'-6.5'	Radionuclides	HPGe	Alpha Spec
		CQ47-000D	2085954.486	750871.524	Subsurface Soil	4.5'-6.5'	Metals	6200	6010
		CQ47-000D	2085954.486	750871.524	Subsurface Soil	4.5'-6.5'	VOCs	8260	8260
		CQ47-000E	2085954.486	750871.524	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CQ47-000E	2085954.486	750871.524	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CQ47-000E	2085954.486	750871.524	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
		CQ47-000F	2085954.486	750871.524	Subsurface Soil	8.5'-10.5'	Radionuclides	HPGe	Alpha Spec
		CQ47-000F	2085954.486	750871.524	Subsurface Soil	8.5'-10.5'	Metals	6200	6010
		CQ47-000F	2085954.486	750871.524	Subsurface Soil	8.5'-10.5'	VOCs	8260	8260
		CR45-000A	2086322.754	750535.280	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CR45-000A	2086322.754	750535.280	Surface Soil	0-0.5'	Metals	6200	6010
		CR45-000B	2086322.754	750535.280	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CR45-000B	2086322.754	750535.280	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CR45-000B	2086322.754	750535.280	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CR45-000C	2086322.754	750535.280	Subsurface Soil	2.5'-4.5'	Radionuclides	HPGe	Alpha Spec
		CR45-000C	2086322.754	750535.280	Subsurface Soil	2.5'-4.5'	Metals	6200	6010
		CR45-000C	2086322.754	750535.280	Subsurface Soil	2.5'-4.5'	VOCs	8260	8260

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CR45-000D 2086322.754
CR45-000D 2086322.754
CR45-000E 2086322.754
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